

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METADATA QUALITY IMPROVEMENT PROCESS

the specification of which was filed on June 8, 2001 as Application Serial No. 09/876,942 and was amended on _____, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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Application No. _____ in _____ on _____ priority claimed () Yes () No

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Application No. 60/252,273 Filed November 21, 2000

Application No. _____ Filed _____

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

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<u>Joseph S. Tripoli</u>	Registration No. <u>26,040</u>	and
<u>Ronald H. Kurdyla</u>	Registration No. <u>26,932</u>	and
<u>Joel M. Fogelson</u>	Registration No. <u>43,613</u>	and
_____	Registration No. _____	

PLEASE ADDRESS ALL

COMMUNICATIONS TO: JOSEPH S. TRIPOLI

PATENT OPERATIONS
THOMSON MULTIMEDIA LICENSING INC.
P. O. Box 5312
PRINCETON, NEW JERSEY 08543-5312

Sole or Joint
Inventor (1)

ARAM CHRISTIAN ABAJIAN

(Type or Print)

(Signature in Full. No initials.)

Citizenship USA

Date _____

Post Office Address 202 N.W. 43rd Street, Seattle, Washington 98107

Seattle (King County), Washington 98107

Sole or Joint
Inventor (2)

ROBIN ANDREW ALEXANDER

(Type or Print)

(Signature in Full. No initials.)

Citizenship United Kingdom

Date _____

Post Office Address 4720 164th Place, NE, Redmond, Washington 98052

Residence Redmond (King County), Washington 98052

Sole or Joint
Inventor (3)

KEN ALAN BERKUN

(Type or Print)

(Signature in Full. No initials.)

Citizenship USA

Date _____

Post Office Address 1554 NE 95th Street, Seattle, Washington 98115

Residence Seattle (King County), Washington 98115



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THOMSON MULTIMEDIA LICENSING INC.

P. O. Box 5312

PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (4)	<u>AUSTIN DAVID DAHL</u>	
Citizenship	<u>USA</u>	(Type or Print)
Post Office Address	<u>2039 26th Ave. E., Seattle, Washington 98112</u>	
	<u>Seattle (King County), Washington 98112</u>	
Sole or Joint Inventor (5)	<u>JOHN ANTHONY DEROSA</u>	
Citizenship	<u>USA</u>	(Type or Print)
Post Office Address	<u>1407 6th Ave. W, Seattle, Washington 98119</u>	
Residence		
Sole or Joint Inventor (6)	<u>SCOTT CHAO-CHUEH LEE</u>	
Citizenship	<u>USA</u>	(Type or Print)
Post Office Address	<u>2031 151st Ave., SE, Bellevue, Washington 98007</u>	
Residence		

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Sole or Joint Inventor (7)	<u>CHARLES A. PORTER</u>	(Type or Print)	(Signature In Full. No Initials.)
Citizenship	<u>USA</u>	Date	<u>9-19-01</u>
Post Office Address	<u>810 30th Avenue, Seattle, Washington 98122</u>		
	<u>Seattle (King County), Washington 98122</u>		
Sole or Joint Inventor (8)	<u>ERIC CARL REHM</u>	(Type or Print)	(Signature In Full. No Initials.)
Citizenship	<u>USA</u>	Date	
Post Office Address	<u>353 Wallace Way NE #3, Bainbridge Island, Washington 98110</u>		
Residence	<u>Bainbridge Island (Kitsap County), Washington 98110</u>		
Sole or Joint Inventor (9)	<u>SRINIVASAN SUDANAGUNTA</u>	(Type or Print)	(Signature In Full. No Initials.)
Citizenship	<u>USA</u>	Date	
Post Office Address	<u>913 26th Avenue E., Seattle, Washington 98112</u>		
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Sole or Joint Inventor (10)	<u>JONATHAN ROBERT NOWITZ</u>	
Citizenship	<u>USA</u>	(Type or Print) _____ (Signature in Full. No initials.) _____
Post Office Address	<u>2302 NE 92nd Street, Seattle, Washington 98115</u>	
	<u>Seattle (King County), Washington 98115</u>	
Sole or Joint Inventor (11)	_____	
Citizenship	_____	(Type or Print) _____ (Signature in Full. No initials.) _____
Post Office Address	_____	
Residence	_____	
Sole or Joint Inventor (12)	_____	
Citizenship	_____	(Type or Print) _____ (Signature in Full. No initials.) _____
Post Office Address	_____	
Residence	_____	

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PATENT OPERATIONS
THOMSON MULTIMEDIA LICENSING INC.
P. O. Box 5312
PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (1)	<u>ARAM CHRISTIAN ABAJIAN</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date <u>14-SEP-01</u>
Post Office Address	<u>202 N.W. 43rd Street, Seattle, Washington 98107</u>	
	<u>Seattle (King County), Washington 98107</u>	
Sole or Joint Inventor (2)	<u>ROBIN ANDREW ALEXANDER</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>United Kingdom</u>	Date _____
Post Office Address	<u>4720 164th Place, NE, Redmond, Washington 98052</u>	
Residence	<u>Redmond (King County), Washington 98052</u>	
Sole or Joint Inventor (3)	<u>KEN ALAN BERKUN</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date <u>9-7-01</u>
Post Office Address	<u>1554 NE 95th Street, Seattle, Washington 98115</u>	
Residence	<u>Seattle (King County), Washington 98115</u>	

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Sole or Joint Inventor (4)	<u>AUSTIN DAVID DAHL</u>	(Type or Print)	<u>[Signature]</u>	(Signature in Full. No initials.)
Citizenship	<u>USA</u>		Date	<u>9/7/01</u>
Post Office Address	<u>2039 26th Ave. E., Seattle, Washington 98112</u>			
	<u>Seattle (King County), Washington 98112</u>			
Sole or Joint Inventor (5)	<u>JOHN ANTHONY DEROSA</u>	(Type or Print)	<u>[Signature]</u>	(Signature in Full. No initials.)
Citizenship	<u>USA</u>		Date	<u>1/14/01</u>
Post Office Address	<u>1407 6th Ave. W, Seattle, Washington 98119</u>			
Residence				
Sole or Joint Inventor (6)	<u>SCOTT CHAO-CHUEH LEE</u>	(Type or Print)	<u>[Signature]</u>	(Signature in Full. No initials.)
Citizenship	<u>USA</u>		Date	
Post Office Address	<u>2031 151st Ave., SE, Bellevue, Washington 98007</u>			
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Sole or Joint Inventor (7)	<u>CHARLES A. PORTER</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	
Post Office Address	<u>810 30th Avenue, Seattle, Washington 98122</u>		
	<u>Seattle (King County), Washington 98122</u>		
Sole or Joint Inventor (8)	<u>ERIC CARL REHM</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	<u>15 Sept 2001</u>
Post Office Address	<u>353 Wallace Way NE #3, Bainbridge Island, Washington 98110</u>		
Residence	<u>Bainbridge Island (Kitsap County), Washington 98110</u>		
Sole or Joint Inventor (9)	<u>SRINIVASAN SUDANAGUNTA</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	<u>Sept 6, 2001</u>
Post Office Address	<u>913 26th Avenue E., Seattle, Washington 98112</u>		
Residence	<u>Seattle (King County), Washington 98112</u>		

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Application No. 60/252,273 Filed November 21, 2000

Application No. _____ Filed _____

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Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

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Joseph S. Tripoli _____ Registration No. 26,040 and

Ronald H. Kurdyla _____ Registration No. 26,932 and

Joel M. Fogelson _____ Registration No. 43,613 and

_____ Registration No. _____

PLEASE ADDRESS ALL

COMMUNICATIONS TO: JOSEPH S. TRIPOLI

PATENT OPERATIONS
THOMSON MULTIMEDIA LICENSING INC.
P. O. Box 5312
PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (10)	<u>JONATHAN ROBERT NOWITZ</u> (Type or Print)	<u>[Signature]</u> (Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date <u>9 / 10 / 2001</u>
Post Office Address	<u>2302 NE 92nd Street, Seattle, Washington 98115</u>	
	<u>Seattle (King County), Washington 98115</u>	
Sole or Joint Inventor (11)	_____ (Type or Print)	_____ (Signature in Full. No initials.)
Citizenship	_____	Date _____
Post Office Address	_____	
Residence	_____	
Sole or Joint Inventor (12)	_____ (Type or Print)	_____ (Signature in Full. No initials.)
Citizenship	_____	Date _____
Post Office Address	_____	
Residence	_____	

DECLARATION AND POWERS OF ATTORNEY

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METADATA QUALITY IMPROVEMENT PROCESS

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	Registration No. _____	

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P. O. Box 5312
PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (1)	<u>ARAM CHRISTIAN ABAJIAN</u>	
Citizenship	<u>USA</u>	(Signature In Full. No initials.) _____
Post Office Address	<u>202 N.W. 43rd Street, Seattle, Washington 98107</u>	
Residence	<u>Seattle (King County), Washington 98107</u>	
Sole or Joint Inventor (2)	<u>ROBIN ANDREW ALEXANDER</u>	
Citizenship	<u>United Kingdom</u>	(Signature In Full. No initials.) <u>Robin Andrew Alexander</u>
Post Office Address	<u>4720 164th Place, NE, Redmond, Washington 98052</u>	
Residence	<u>Redmond (King County), Washington 98052</u>	
Sole or Joint Inventor (3)	<u>KEN ALAN BERKUN</u>	
Citizenship	<u>USA</u>	(Signature In Full. No initials.) _____
Post Office Address	<u>1554 NE 95th Street, Seattle, Washington 98115</u>	
Residence	<u>Seattle (King County), Washington 98115</u>	

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Sole or Joint Inventor (4)	AUSTIN DAVID DAHL	
Citizenship	(Type or Print)	(Signature in Full. No initials.)
USA		
Post Office Address	Date	
<u>2039 26th Ave. E., Seattle, Washington 98112</u>		
<u>Seattle (King County), Washington 98112</u>		
Sole or Joint Inventor (5)	JOHN ANTHONY DEROSA	
Citizenship	(Type or Print)	(Signature in Full. No initials.)
USA		
Post Office Address	Date	
<u>1407 6th Ave. W, Seattle, Washington 98119</u>		
Residence		
Sole or Joint Inventor (6)	SCOTT CHAO-CHUEH LEE	
Citizenship	(Type or Print)	(Signature in Full. No initials.)
USA		
Post Office Address	Date	
<u>2031 151st Ave., SE, Bellevue, Washington 98007</u>		
Residence		

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P. O. Box 5312
PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (7)	<u>CHARLES A. PORTER</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date _____
Post Office Address	<u>810 30th Avenue, Seattle, Washington 98122</u>	
	<u>Seattle (King County), Washington 98122</u>	
Sole or Joint Inventor (8)	<u>ERIC CARL REHM</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date _____
Post Office Address	<u>353 Wallace Way NE #3, Bainbridge Island, Washington 98110</u>	
Residence	<u>Bainbridge Island (Kitsap County), Washington 98110</u>	
Sole or Joint Inventor (9)	<u>SRINIVASAN SUDANAGUNTA</u>	
	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date _____
Post Office Address	<u>913 26th Avenue E., Seattle, Washington 98112</u>	
Residence	<u>Seattle (King County), Washington 98112</u>	

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Registration No. _____

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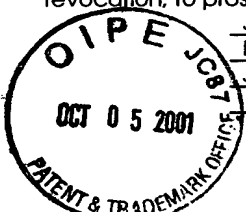
COMMUNICATIONS TO: JOSEPH S. TRIPOLI

PATENT OPERATIONS

THOMSON MULTIMEDIA LICENSING INC.

P. O. Box 5312

PRINCETON, NEW JERSEY 08543-5312



Sole or Joint Inventor (10)	<u>JONATHAN ROBERT NOWITZ</u>	
Citizenship	<u>USA</u>	(Type or Print)
Post Office Address	<u>2302 NE 92nd Street, Seattle, Washington 98115</u>	
	<u>Seattle (King County), Washington 98115</u>	
Sole or Joint Inventor (11)		
Citizenship		(Type or Print)
Post Office Address		
Residence		
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Citizenship		(Type or Print)
Post Office Address		
Residence		

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Sole or Joint Inventor (1)	<u>ARAM CHRISTIAN ABAJIAN</u>	
Citizenship	<u>USA</u>	(Type or Print) _____ (Signature in Full. No initials.) _____
Post Office Address	<u>202 N.W. 43rd Street, Seattle, Washington 98107</u>	
	<u>Seattle (King County), Washington 98107</u>	
Sole or Joint Inventor (2)	<u>ROBIN ANDREW ALEXANDER</u>	
Citizenship	<u>United Kingdom</u>	(Type or Print) _____ (Signature in Full. No initials.) _____
Post Office Address	<u>4720 164th Place, NE, Redmond, Washington 98052</u>	
Residence	<u>Redmond (King County), Washington 98052</u>	
Sole or Joint Inventor (3)	<u>KEN ALAN BERKUN</u>	
Citizenship	<u>USA</u>	(Type or Print) _____ (Signature in Full. No initials.) _____
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Sole or Joint Inventor (4)	<u>AUSTIN DAVID DAHL</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	
Post Office Address	<u>2039 26th Ave. E., Seattle, Washington 98112</u>		
	<u>Seattle (King County), Washington 98112</u>		
Sole or Joint Inventor (5)	<u>JOHN ANTHONY DEROSA</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	
Post Office Address	<u>1407 6th Ave. W, Seattle, Washington 98119</u>		
Residence			
Sole or Joint Inventor (6)	<u>SCOTT CHAO-CHUEH LEE</u>	(Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>USA</u>	Date	<u>9/29/2001</u>
Post Office Address	<u>2031 151st Ave., SE, Bellevue, Washington 98007</u>		
Residence			

S.L.
I forgot that
this needed to
be in blue ink
and resign it

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DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METADATA QUALITY IMPROVEMENT PROCESS

the specification of which was filed on Jun 8, 2001 as Application Serial No. 09/876,942 and was amended on _____, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below.

Application No. 60/252,273 Filed November 21, 2000

Application No. _____ Filed _____

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

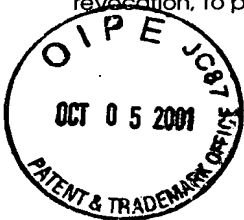
I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

<u>Joseph S. Tripoli</u>	Registration No. <u>26,040</u>	and
<u>Ronald H. Kurdyla</u>	Registration No. <u>26,932</u>	and
<u>Joel M. Fogelson</u>	Registration No. <u>43,613</u>	and
	Registration No. _____	

PLEASE ADDRESS ALL

COMMUNICATIONS TO: JOSEPH S. TRIPOLI

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